

REMARKS

Claims 1-21 have been canceled without prejudice or disclaimer. New claims 22-42 have been added. Accordingly, claims 22-42 are currently pending in the application.

The Abstract and Specification have been amended as in the parent application.

Claims 22-40 are patentable over the art of record in the parent application, including the Kuchta and Komatsu et al references, which were relied upon in a 35 U.S.C. § 103(a) rejection in the parent application.

In particular, claim 22 now recites that the fourth section includes the control unit and a first fan for cooling the control unit by exhausting air through the control unit in the fourth section, wherein the air is haled from at least one section except the second section. Claim 22 also recites that a first partitioning board is provided for partitioning between the second section and the fourth section. Accordingly, claim 22 clearly and patentably defines the present invention over the cited art.

Since, the control unit is cooled by a fan that is in the same section as that of the control unit and the air in this section is not haled from the section which includes a power supply unit, a great advantage results because the power

supply unit generates a great amount of heat. Furthermore, the air flow in the second section is stopped by partitioning.

None of the cited references disclose these features of the present invention. Kuchta discloses an apparatus for redundant cooling of the electronic devices in which air is forced through an enclosure (e.g., housing a Redundant Array of Independent Disks or RAID) by powered air movers. As shown in Fig. 1 of Kuchta, a powered air mover 104 has two fans 106 and 107 which admit cooling air through inlet 102. Another powered air mover 105 includes two fans 108 and 109 for exhausting air in enclosure 101 through outlet 103. A Redundant Array of Independent Disks (RAID) are shown by numerals 120-127 while numeral 128 represents a control unit and numeral 129 represents a power converter (see column 3, lines 4-56 of Kuchta). Thus, all of these components are accommodated in a single enclosure.

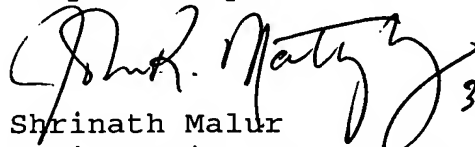
The Kutcha configuration is completely different from the presently claimed combination. In Kuchta, controller 128 can be cooled by fans 108 or 109 that are contained in enclosure 101 and this is the same enclosure that contains controller 128. This same air in enclosure 101 to be exhausted is hailed from areas around the power converter 129. This is contrary to the present invention which excludes hailing air from the

section including the power supply unit. Furthermore, Kuchta neither discloses nor suggests the concept of a partitioning board for partitioning the space in which the power converter is provided.

The deficiencies in the primary reference to Kuchta are not overcome by resort to the secondary reference to Komatsu et al. The Examiner has merely applied Komatsu et al for teaching a backup battery. As such, it is submitted that the pending claims patentably define the present invention over the cited art.

Examination of pending claims 22-42 is requested in view of the foregoing remarks.

Respectfully submitted,

  
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